

Name \_\_\_\_\_

**MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.**

- 1) Technician A says that it is important to position the retaining ring correctly when replacing clutch parts on a compressor. Technician B says that the air gap may be adjusted with thick spacers. Which technician is correct? 1) \_\_\_\_\_  
A) Technician A only  
B) Technician B only  
C) Both technicians  
D) Neither technician
- 2) Most piston compressors use what type of valves? 2) \_\_\_\_\_  
A) Poppet  
B) Reed  
C) Sliding  
D) On-off gate-type valve
- 3) Most newer compressors use a \_\_\_\_\_ seal on the compressor shaft. 3) \_\_\_\_\_  
A) Cork  
B) Ceramic  
C) Lip  
D) Boron
- 4) Increasing the number of slots in the clutch armature helps to \_\_\_\_\_. 4) \_\_\_\_\_  
A) Increase holding power  
B) Cool the hub  
C) Reduce bearing vibration  
D) Eliminate stray magnetic fields
- 5) Switches found on the compressor itself may include a \_\_\_\_\_. 5) \_\_\_\_\_  
A) Low-pressure switch  
B) High-pressure switch  
C) Low- and/or high-pressure switch  
D) Any or all of the above
- 6) A compressor belt tensioner is bouncing rapidly with the engine running. What should the technician do? 6) \_\_\_\_\_  
A) Nothing, this is normal  
B) Remove the tensioner and lubricate the dampener  
C) Replace the tensioner  
D) Tighten the tensioner center bolt

- 7) Technician A says that as the clutch drive hub is replaced, the air gap should be checked at three different places. Technician B says that the air gap is not important as long as the clutch coil resistance (in ohms) is correct. Which technician is correct? 7) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician
- 8) The clutch plate must be removed to \_\_\_\_\_. 8) \_\_\_\_\_
- A) Get access to the compressor shaft seal
  - B) Remove and replace the compressor
  - C) Change the compressor oil
  - D) Change the compressor belt
- 9) The pressure relief valve on a 134a A/C system will open at about \_\_\_\_\_ PSI. 9) \_\_\_\_\_
- A) 300
  - B) 400
  - C) 500 to 600
  - D) 175 to 300
- 10) Two technicians are discussing variable displacement piston compressors. Technician A says that the wobble plate is moved to the high-angle position for maximum output when the cooling load is high. Technician B says that the wobble-plate angle is controlled by the pressure in the crankcase of the compressor. Which technician is correct? 10) \_\_\_\_\_
- A) Technician A only
  - B) Technician B only
  - C) Both technicians
  - D) Neither technician

## Answer Key

Testname: AHAC8\_3A

1) A

Page Ref: 35-36

2) B

Page Ref: 25

3) C

Page Ref: 37

4) A

Page Ref: 31

5) D

Page Ref: 33-34

6) C

Page Ref: 39

7) A

Page Ref: 36

8) A

Page Ref: 37

9) C

Page Ref: 33

10) C

Page Ref: 28